

1631

#18

RAW SEQUENCE LISTING DATE: 01/23/2001
 PATENT APPLICATION: US/09/180,209 TIME: 13:27:17

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c--> 3 <110> APPLICANT: KARPUSAS, MIHAIL N.
 4 SINGH, JUSWINDER
 5 THOMAS, DAVID W.
 7 <120> TITLE OF INVENTION: CRYSTALS OF FRAGMENTS OF CD40 LIGAND AND THEIR USE
 9 <130> FILE REFERENCE: BIOGEN B189 US
 11 <140> CURRENT APPLICATION NUMBER: 09/180,209
 12 <141> CURRENT FILING DATE: 1999-12-22
 14 <150> PRIOR APPLICATION NUMBER: 60/000,448
 15 <151> PRIOR FILING DATE: 1995-06-22
 17 <150> PRIOR APPLICATION NUMBER: PCT/US96/10664
 18 <151> PRIOR FILING DATE: 1996-06-21
 20 <160> NUMBER OF SEQ ID NOS: 3
 22 <170> SOFTWARE: PatentIn Ver. 2.1
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 34 20 25 30
 36 Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu Val Val Pro Ser Glu
 37 35 40 45
 39 Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe Lys Gly Gln Gly Cys
 40 50 55 60
 42 Pro Ser Thr His Val Leu Leu Thr His Thr Ile Ser Arg Ile Ala Val
 43 65 70 75 80
 45 Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala Ile Lys Ser Pro Cys
 46 85 90 95
 48 Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys Pro Trp Tyr Glu Pro
 49 100 105 110
 51 Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys Gly Asp Arg Leu Ser
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 70 Ser Leu Leu Trp Arg Ala Asn Thr Asp Arg Ala Phe Leu Gln Asp Gly
 71 20 25 30

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73 Phe Ser Leu Ser Asn Asn Ser Leu Leu Val Pro Thr Ser Gly Ile Tyr
74          35          40          45
76 Phe Val Tyr Ser Gln Val Val Phe Ser Gly Lys Ala Tyr Ser Pro Lys
77          50          55          60
79 Ala Thr Ser Ser Pro Leu Tyr Leu Ala His Glu Val Gln Leu Phe Ser
80 65          70          75          80
82 Ser Gln Tyr Pro Phe His Val Pro Leu Leu Ser Ser Gln Lys Met Val
83          85          90          95
85 Tyr Pro Gly Leu Gln Glu Pro Trp Leu His Ser Met Tyr His Gly Ala
86          100          105          110
88 Ala Phe Gln Leu Thr Gln Gly Asp Gln Leu Ser Thr His Thr Asp Gly
89          115          120          125
91 Ile Pro His Leu Val Leu Ser Pro Ser Thr Val Phe Phe Gly Ala Phe
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94 Ala Leu
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110 Met Ser Asn Asn Leu Val Thr Leu Glu Asn Gly Lys Gln Leu Thr Val
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116 Asn Arg Glu Ala Ser Ser Gln Ala Pro Phe Ile Ala Ser Leu Cys Leu
117 65          70          75          80
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122 His Ser Ser Ala Lys Pro Cys Gly Gln Gln Ser Ile His Leu Gly Gly
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125 Val Phe Glu Leu Gln Pro Gly Ala Ser Val Phe Val Asn Val Thr Asp
126          115          120          125
128 Pro Ser Gln Val Ser His Gly Thr Gly Phe Thr Ser Phe Gly Leu Leu
129          130          135          140
131 Lys Leu
132 145

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VERIFICATION SUMMARY

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L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date